Precautions

- Operate the unit only on 3 V DC.
- For AC operation, use the AC power adaptor recommended for this unit.
  For car battery operation, use the car battery cord recommended for this unit.
- When the internal batteries are not to be used, remove them to avoid damage caused by battery leakage and corrosion.
- Do not leave the unit in a location near heat sources, in a place subject to direct sunlight, sand or excessive dust, moisture, rain, or mechanical shock, or in a car with its windows closed.
- For the unit to operate at its best, it should not be subject to temperatures below 5°C (41°F).
- Should any solid object or liquid fall into the unit, remove the batteries and disconnect the AC power adaptor or the car battery cord, and have the unit checked by qualified personnel before operating it any further.
- If the unit has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.

Notes on headphones

- Avoid listening with your headphones;
  — **while driving, cycling, etc.**
  — for an extended period of time at a high volume.
- Remember not to disturb those close to you with the sounds coming from your headphones.
- To obtain the optimum sound, keep the plug of your headphones clean by wiping it with a dry, soft cloth.
- Never blow on the ear pieces.

Note on cassettes longer than 90 minutes

The use of cassettes longer than 90 minutes is not recommended except for long continuous playback.

If you have any question or problem concerning your unit that is not covered in this manual, please consult the nearest Sony dealer.

Specifications

Radio section

Frequency range
FM: 87.5 – 108 MHz
AM: 530 – 1,710 kHz

Antenna
FM: Headphone cord antenna
AM: Built-in ferrite bar antenna

Tape recorder section and general

Tape track: 4-track 2-channel stereo

Fast winding time: Approx. 160 sec. with Sony C-60 cassette

Frequency response
30 – 15,000 Hz (with the PB EQ selector set to METAL/CrO_2)
30 – 15,000 Hz (with the PB EQ selector set to NORM)

Input
External microphone input (stereo minijack) (PLUG IN POWER)
sensitivity 0.77 mV (– 60 dBs) for low impedance microphone

Output
Headphones jack (stereo minijack)
load impedance 32 ohms

Power output: 10 mW + 10 mW (at 10% harmonic distortion) at DC operation

Power requirements: 3 V DC
two size AA (R6) batteries
DC IN 3 V jack accepts
Sony AC-D2M AC power adaptor (not supplied) for use on 120 V AC, 60 Hz
Sony EBP-500B battery case (not supplied) for use on two size D (R20) batteries
Sony DCC-70 car battery cord (not supplied) for use with 12 V car battery

Battery life (hours)

Batteries	FM reception	Tape playback	FM recording (headphones)	Recording (microphone)
Sony batteries SUM-3 (NS)	Approx. 15	Approx. 4	Approx. 2	Approx. 2
Sony alkaline batteries AM3 (M)	Approx. 30	Approx. 8	Approx. 6	Approx. 6

For maximum performance we recommend the use of alkaline batteries

Dimensions: Approx. 136 × 93.5 × 38.5 mm (w/h/d) ($5\frac{3}{8}$ × $3\frac{3}{4}$ × $1\frac{1}{2}$ inches) incl. projecting parts and controls

Weight: Approx. 246 g (8.7 oz) incl. batteries, not incl. other accessories

Supplied accessories
Stereo headphones (open-air type, 1) Belt clip (1)
Electret condenser stereo microphone (1) Microphone stand (1)

Design and specifications subject to change without notice.

Optional accessories

AC power adaptor AC-D2M, Car battery cord DCC-70, Battery case EBP-500B, Stereo active speaker system SRS-30, SRS-50, Connecting cord RK-G134 (stereo mini-plug to stereo mini-plug)

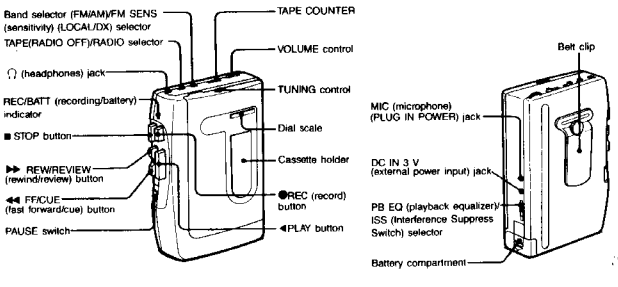
Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed information.

Note

Use only the recommended AC power adaptor or car battery cord manufactured by Sony. Polarity of the plugs of other manufacturers may be different.

Polarity of the WM-F2041 plug

Parts Identification



SONY

AUDIO TAPE RECORDER
COMPACT DISC COMPACT PLAYER
ELECTRONIC STILL VIDEO CAMERA
AND PLAYBACK ADAPTER

LIMITED WARRANTY

SONY CORPORATION OF AMERICA ("SONY") warrants this product against defects in material or workmanship, as follows:

1. If this product proves to be defective within 90 days from the date of purchase, SONY will pay the labor charges of your SONY authorized service facility to repair the defective product. After this 90 day period, you must pay for all labor charges.
2. In addition, SONY will supply, at no charge, new or rebuilt replacements for defective parts for a period of 1 year from the original date of purchase.

Labor and Parts

To obtain warranty service during the initial 90-day period, you must take the product or deliver the product prepaid, to a SONY authorized service facility.

Parts Only

During the remainder of the warranty period, any defective part will be replaced if it is taken, or delivered prepaid, to a SONY service center. Labor for removal and installation is available from your SONY authorized service facility or SONY service centers, at your expense.

This warranty does not cover cosmetic damage, and damage due to acts of God, accident, misuse, abuse or negligence to the product, including the antenna. This warranty is valid only in the United States of America.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the warranty period must be presented to obtain warranty service.

This warranty is valid only if the serial number appears on the product.

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For your convenience, Sony Corporation of America has established the Customer Information Center to supply you with product or service information.

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Sony Drive, Mail Drop: #7111
Park Ridge, NJ 07656

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SONY

3-752-293-21 (1)

Radio Cassette-Corder

WM-F2041

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model number is located at the bottom and the serial number is located inside the cassette holder. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. WM-F2041 Serial No. _____

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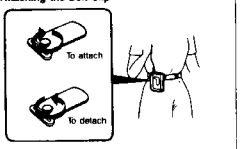
WALKMAN

WALKMAN is a trademark of Sony Corporation.

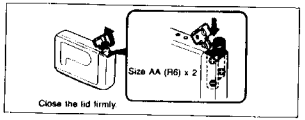
Features

- You can enjoy both listening to and recording the FM/AM stereo programs using the built-in tuner.
- PB EQ (playback equalizer) selector for optimum playback with TYPE I (normal) tapes as well as high-performance TYPE II (CrO_2) and TYPE IV (metal) tapes
- The ISS (Interference Suppress Switch) function reduces the noise during AM recording.
- Automatic shut-off mechanism for playback and recording
- You can start recording directly from the playback mode. This function is convenient to correct a previously recorded portion.
- You can achieve better FM reception using the FM SENS selector.

Attaching the Belt Clip

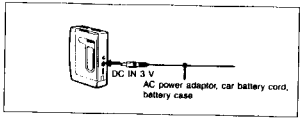


Installing the Batteries



Battery replacement
When the REC/BATT indicator glows faintly and playback sound becomes distorted or unstable, replace the batteries with new ones.

Concerning battery life, see "Specifications".

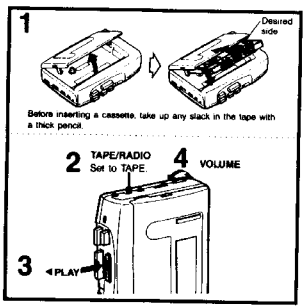


Using the External Power Sources

Connect a power cord such as that of the AC power adaptor (not supplied).

Note
The unit cannot be operated on the internal batteries when any cord is connected to the DC IN 3 V jack.

Tape Playback


1
Desired side
Before inserting a cassette, take up any slack in the tape with a thick pencil.
2 TAPE/RADIO
Set to TAPE.
4 VOLUME
3 ◀ PLAY

To stop the tape, press ■ STOP.
To advance the tape rapidly, depress ◀◀ FF/CUE.
To rewind the tape, depress ▶▶ REW/REVIEW.

After winding the tape with ◀◀ FF/CUE or ▶▶ REW/REVIEW, be sure to press ■ STOP.

When the tape comes to its end during playback, tape motion stops and the locked ◀ PLAY will be released by the automatic shut-off mechanism.

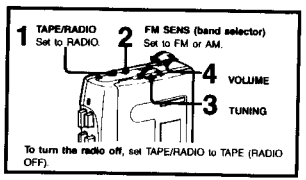
To skip over or repeat a certain portion during playback
Keep ◀◀ FF/CUE or ▶▶ REW/REVIEW pressed. When you release the button, playback will resume.

To stop the tape for a moment in playback mode
Slide PAUSE down (orange mark). To restart the tape, slide it up (no orange mark).

To get the best performance from your tape
For TYPE IV (metal) tapes or TYPE II (CrO_2) tapes, set PB EQ to METAL/CrO_2. For TYPE I (normal) tapes, set PB EQ to NORM.

Note Do not open the cassette compartment lid while the tape is running, otherwise the unit may be damaged.

Radio Reception


1 TAPE/RADIO
Set to RADIO.
2 FM SENS (band selector)
Set to FM or AM.
4 VOLUME
3 TUNING
To turn the radio off, set TAPE/RADIO to TAPE (RADIO OFF).

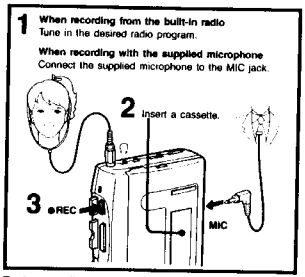
Note
Be sure to remove the cassette tape if it has metallic cassette shell or metallic labels. Such cassettes may cause interference or difficulty in tuning.

To improve receiving condition

FM: Since the headphones cord serves as an FM antenna, extend it for better reception.
AM: Since the reception is affected by the direction of the unit, move the unit for optimum reception.

To improve FM sensitivity
While listening to FM programs, normally set FM SENS to DX. However, if a very strong station signal is distorted, set it to LOCAL. The noise will be reduced.

Recording from the Built-in Radio/Recording with the Supplied Microphone


1 When recording from the built-in radio
Tune in the desired radio program.
When recording with the supplied microphone
Connect the supplied microphone to the MIC jack.
2 Insert a cassette.
3 ●REC
MIC

To stop recording, press ■ STOP.

To start recording directly from playback
During playback, simply depress ●REC.

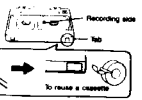
To stop the tape for a moment during recording
Slide PAUSE down (orange mark). To restart the recording slide it up (no orange mark).

To reduce the noise during AM recording
If a whistling noise is heard, which was inaudible before ●REC was depressed, set ISS to 1, 2 or 3 depending on which one best reduces the noise.

Notes
- The REC/BATT indicator blinks during recording.
- No recording level adjustment is necessary.
- At the end of the tape, the tape stops and the locked ●REC and ◀ PLAY will be released automatically.
- For recording on this unit, use only normal TYPE I tapes. Do not use TYPE II (CrO_2) or TYPE IV (metal) tapes.
- The microphone is powered from the MIC jack of the unit.
- When you record, set the microphone away from the unit and near the sound source.
- The sound to be recorded can be heard through the headphones.
- When recording FM programs, the headphones must be plugged in. The cord of the headphones acts as an antenna.
- When recording for a long time, use new batteries.
- To avoid a howling effect (acoustic feedback), observe the following.
  - Use only the supplied microphone.
  - Be sure not to set the headphones volume too high.
  - When you take off the headphones, first lower the headphones volume and take them off.
- The supplied microphone can be used only for a cassette-corder equipped with the MIC (PLUG IN POWER) jack (Plug-in power system).

Using the supplied microphone stand

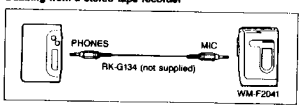
To prevent accidental erasure
Break out the tab corresponding to the side to be recorded on.



Recording from Various Sound Sources

Various sound sources can be connected to the appropriate jacks of the WM-F2041 using the connecting cord (not supplied). The sound to be recorded can be heard through the headphones.

Dubbing from a stereo tape recorder

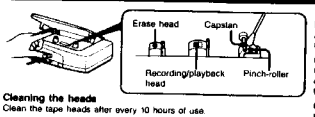


1 Set the other tape recorder in playback mode and adjust its volume to a normal listening level.
2 Set the WM-F2041 in record mode.

Dubbing onto a stereo tape recorder

1 Set the WM-F2041 in playback mode and adjust its VOLUME to a normal listening level.
2 Set the other tape recorder in record mode.

Cleaning



Cleaning the heads
Clean the tape heads after every 10 hours of use.
1 While pressing the lever in the direction of the arrow as shown, depress ●REC to move the heads out for easier access.
2 Moisten a cotton swab or soft cloth with alcohol, and gently wipe the parts shown in the illustration.

Note
After the heads have been cleaned, be sure to press ■ STOP to move the heads back to their original positions.

Cleaning the case
Clean the case with a soft cloth slightly moistened with water or a mild detergent solution. Do not use solvents such as alcohol, benzine, or thinner as they may mar the finish.

Cleaning the headphones plug
Keep the plug of your headphones clean to obtain the optimum sound. Wipe it with a dry, soft cloth.